

INTERNATIONAL SEARCH REPORT

PCT/IB 03/02745

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01J61/12 H01J61/82

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1 335 406 A (MATSUSHITA ELECTRIC WORKS LTD; MATSUSHITA ELECTRIC IND CO LTD (JP)) 13 August 2003 (2003-08-13) paragraphs '0006!-'0008!, '0012! paragraphs '0038!-'0043! paragraphs '0054!, '0055! examples 1-8 figures 2-5	1, 2, 4-7
X	US 3 786 297 A (ZOLLWEG R ET AL) 15 January 1974 (1974-01-15) column 5, line 27 - line 62	1, 3, 4
A	US 4 422 011 A (BRUNINX-POESEN LEONCE M J ET AL) 20 December 1983 (1983-12-20) column 3, line 43 -column 5, line 5 --- -/--	1-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents:**

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

22 August 2003

Date of mailing of the international search report

01/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 25294 A (PHILIPS ELECTRONICS NV; PHILIPS NORDEN AB (SE)) 11 June 1998 (1998-06-11) cited in the application the whole document	1-7
A	US 4 298 813 A (JOHNSON PETER D) 3 November 1981 (1981-11-03) column 3, line 17 - line 47 column 2, line 24 - line 41	1
A	US 5 239 232 A (GOSSLAR ACHIM ET AL) 24 August 1993 (1993-08-24) column 4, line 12 - line 43	1

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